

BENEFITS AT A GLANCE

- Ideal for adding vertical market and value-added applications to traditional and EMV payment functionality
- Impressive range of communication options
- Enhanced user interaction with numerous applications
- Extensive range of customized vertical and payment applications



NURIT 8100

Secure Multifunction Solution

Always One Step Ahead

The NURIT 8100 is a premium, highly secure, multifunction solution, designed to meet the evolving demands of the high-end market. With a comprehensive package of innovative features, the NURIT 8100 is the perfect platform for a variety of payment and value-added applications.

Superior Security

The NURIT 8100 is designed to comply with stringent security standards. Value-added applications can be added without affecting its PED approval.

Multi-Application Versatility

The NURIT 8100's large memory, powerful processor and optional large removable SD/MMC Flash memory enable fast and efficient processing and storage of data generated by multiple applications. Running the NURIT Operating System (NOS), a powerful and proven platform for multi-application development, the device supports an extensive range of customized vertical and payment applications.

Easy and Efficient Browsing

The device's large display and six ATM-like control buttons enhance the speed and scope of user interaction with numerous applications.

Increased Communication Options

The NURIT 8100 offers a range of communication options, including landline, wireless and Internet connectivity. TCP/IP networking also enables easy integration with back-office management systems and third party transaction solutions.

Practical Functionality

The NURIT 8100 supports easy connection of peripheral devices to extend its functionality in a variety of commercial settings. Its fully detachable printer, which is easily replaced in the field without breaching security, improves serviceability, minimizes maintenance downtime and maximizes dependability.

NURIT 8100



SPECIFICATIONS

Processor

32-bit ARM RISC microprocessor

Memory

4MB up to 12MB
(2-8MB Flash, 2-4MB RAM); optional
SD/MMC card

User Interface

128 x 128 pixel backlit graphical display;
multi-language font support; 20-key
ergonomic keypad and 6 control buttons
on the sides of the display

Magnetic Card Reader

Dual or optional triple track, vertical
swipe, bi-directional, ISO 7811, high and
low coercivity

Smart Card

EMV 2000 Level 1, ISO 7816; 5 V, 3 V and
1.8 V cards; T=0, T=1, asynchronous,
synchronous

SAM sockets

Optional 2 or 4 SAM sockets

Peripheral Ports

Two RS-232, or one RS-232 and
Ethernet, external telephone, PIN pad
port

Printer

Thermal graphical printer; replaceable
printer for easy service;
15 lines/second; 8 dots/mm;
57 mm (2.35 in) wide paper; easy-load
mechanism

Communications

14.4 kbps modem
(V.21/V.22bis/V.23/V.32bis), up to 56 kbps
optional (V.34/V.92);
HDLC, TCP/IP; optional 10BaseT
Ethernet; optional GSM/GPRS radio
modem with internal antenna

Security

Visa PED Online and Offline, secure
internal PIN pad with Triple DES
encryption, secure download

Dimensions and Weight

H 80 mm (3.15 in) x W 127 mm (5 in) x
D 256 mm (10 in); 860 g(1.9 lb) including
paper roll

Environmental

Operating temperature: 0° C to 50° C;
storage: -20° C to 60° C; humidity:
5% to 95% non-condensing

Power

100-300 VAC switching power adapter;
DC output 16 VDC/1.5 A

Features & Benefits

Transaction and PIN Security

- Visa PED Online and Offline
- Secure internal PIN pad with Triple DES encryption

Multi-application Versatility

- Powerful multi-application NURIT Operating System (NOS) providing application compatibility with all NURIT terminals
- Large RAM and Flash for multiple applications
- Optional removable SD/MMC Flash memory

High-performance Features

- Fast, high-power 32-bit ARM processor
- EMV 2000 Level 1 smart card reader and Level 2 Kernel
- Vertical bi-directional 2-track magnetic stripe card reader (3-track optional)

Practical Functionality

- Easily accessible ports for connection to multiple peripheral devices and networks
- Fast, quiet, easy-load, detachable thermal printer

Easy and Efficient Browsing

- Large backlit easy-to-read graphical display with multi-language font support and six control buttons

Increased Communication Options

- Internal high-speed landline modem
- Optional Ethernet LAN, GSM/GPRS
- Internet connectivity, including TCP/IP, HTTP, HTTPS, SSL

NURIT Control Center Streamlined Management

- Facilitates deployment and support of a network of NURIT devices
- Simple integration and management of a wide range of market-specific applications
- Scalable, intuitive and easily-customized system
- Parameter and software download over popular networks
- Deployment inventory and merchant help desk management